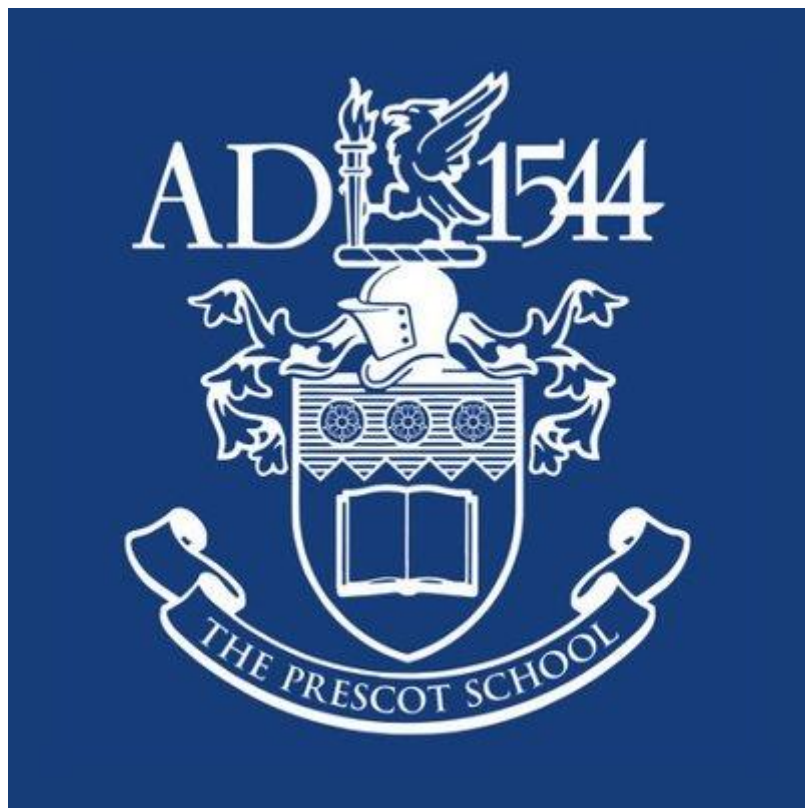


Mathematics Skill Booklet



KS4 (1)

Calculate

$45 \div 5 =$

$36 \div 6 =$

$18 \div 2 =$

$49 \div 7 =$

$24 \div 6 =$

$70 \div 10 =$

$63 \div 7 =$

$32 \div 4 =$

$50 \div 10 =$

$18 \div 3 =$

$30 \div 5 =$

$56 \div 7 =$

$24 \div 4 =$

$36 \div 9 =$

$36 \div 4 =$

$8 \div 2 =$

$10 \div 10 =$

$3 \div 1 =$

$12 \div 4 =$

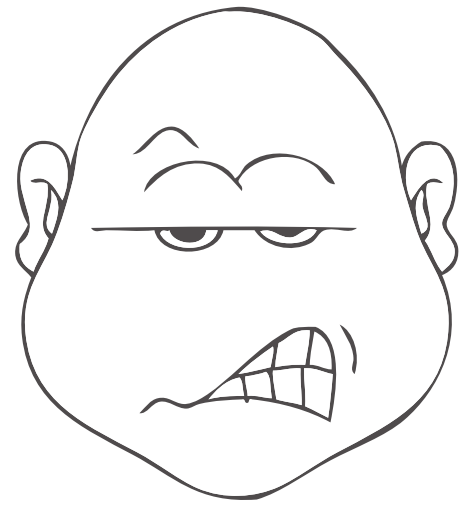
$42 \div 7 =$

$12 \div 2 =$

$56 \div 8 =$

$54 \div 9 =$

$63 \div 9 =$



$16 \div 4 =$

$35 \div 7 =$

$25 \div 5 =$

$24 \div 6 =$

$30 \div 6 =$

$30 \div 10 =$

$48 \div 6 =$

$72 \div 9 =$

Calculate

$4 \times 5 =$

$9 \times 7 =$

$7 \times 6 =$

$3 \times 2 =$

$4 \times 9 =$

$6 \times 3 =$

$7 \times 3 =$

$9 \times 2 =$

$4 \times 9 =$

$8 \times 10 =$

$8 \times 2 =$

$10 \times 2 =$

$5 \times 7 =$

$5 \times 3 =$

$4 \times 2 =$

$5 \times 8 =$

$6 \times 5 =$

$9 \times 8 =$

$8 \times 8 =$

$7 \times 4 =$

$10 \times 4 =$

$7 \times 0 =$

$6 \times 3 =$

$8 \times 6 =$

$3 \times 10 =$

$1 \times 6 =$

$6 \times 9 =$

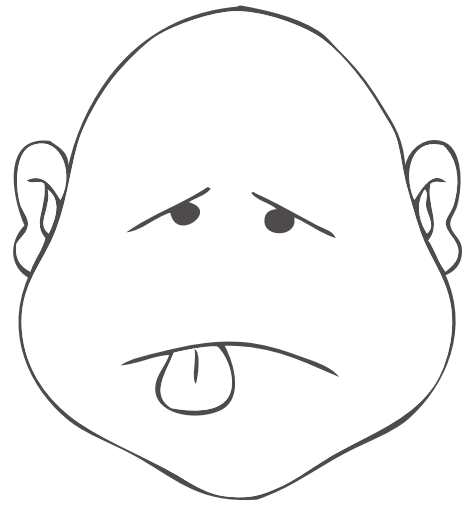
$7 \times 7 =$

$0 \times 8 =$

$3 \times 8 =$

$6 \times 6 =$

$4 \times 6 =$



Compare the following fractions by using $>$ or $<$.



$$\frac{2}{4} \bigcirc \frac{1}{4}$$

$$\frac{3}{4} \bigcirc \frac{1}{4}$$

$$\frac{2}{5} \bigcirc \frac{1}{5}$$

$$\frac{1}{3} \bigcirc \frac{1}{5}$$

$$\frac{2}{6} \bigcirc \frac{5}{6}$$

$$\frac{1}{8} \bigcirc \frac{2}{8}$$

$$\frac{1}{2} \bigcirc \frac{1}{3}$$

$$\frac{1}{6} \bigcirc \frac{1}{5}$$

$$\frac{3}{5} \bigcirc \frac{3}{10}$$

$$\frac{2}{7} \bigcirc \frac{2}{6}$$

$$\frac{1}{3} \bigcirc \frac{1}{8}$$

$$\frac{2}{5} \bigcirc \frac{2}{6}$$

$$\frac{1}{4} \bigcirc \frac{1}{4}$$

$$\frac{3}{7} \bigcirc \frac{3}{5}$$

$$\frac{1}{8} \bigcirc \frac{1}{3}$$

$$\frac{7}{9} \bigcirc \frac{5}{9}$$

$$\frac{2}{3} \bigcirc \frac{2}{2}$$

$$\frac{2}{3} \bigcirc \frac{0}{3}$$

$$\frac{1}{5} \bigcirc \frac{1}{2}$$

$$\frac{2}{6} \bigcirc \frac{2}{3}$$

$$\frac{1}{8} \bigcirc \frac{1}{6}$$

$$\frac{2}{5} \bigcirc \frac{2}{3}$$

$$\frac{2}{4} \bigcirc \frac{2}{8}$$

Addition and subtraction of fractions

Add and subtract the following fractions

$$\frac{5}{7} + \frac{1}{7} =$$

$$\frac{3}{5} - \frac{2}{5} =$$

$$\frac{4}{6} + \frac{1}{6} =$$

$$\frac{4}{8} + \frac{1}{8} =$$

$$\frac{2}{7} - \frac{1}{7} =$$

$$\frac{4}{6} - \frac{1}{6} =$$

$$\frac{3}{8} - \frac{1}{8} =$$

$$\frac{3}{9} + \frac{1}{9} =$$

$$\frac{9}{6} - \frac{0}{6} =$$

$$\frac{1}{3} + \frac{2}{3} =$$

$$\frac{4}{6} - \frac{4}{6} =$$

$$\frac{1}{8} + \frac{4}{8} =$$

$$\frac{4}{7} - \frac{1}{7} =$$

$$\frac{5}{7} + \frac{1}{7} =$$

$$\frac{4}{9} - \frac{4}{9} =$$

$$\frac{3}{9} + \frac{1}{9} =$$

$$\frac{6}{9} - \frac{1}{9} =$$

$$\frac{8}{6} - \frac{1}{6} =$$

$$\frac{5}{8} - \frac{1}{8} =$$

$$\frac{1}{5} + \frac{3}{5} =$$

$$\frac{2}{9} + \frac{2}{9} =$$

$$\frac{8}{9} - \frac{1}{9} =$$

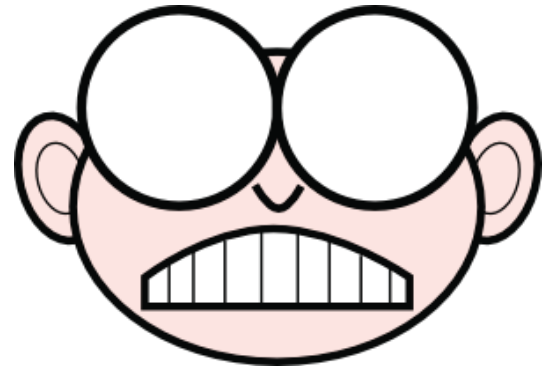
$$\frac{4}{8} - \frac{1}{8} =$$

$$\frac{4}{7} + \frac{1}{7} =$$

$$\frac{2}{8} + \frac{7}{8} =$$

$$\frac{5}{3} - \frac{1}{3} =$$

$$\frac{4}{7} - \frac{1}{7} =$$



Calculate

$4 \times 7 + 12 =$

$6 \times 5 + 46 =$

$2 \times 4 + 15 =$

$9 \times 2 + 33 =$

$5 \times 5 + 22 =$

$2 \times 7 + 25 =$

$2 \times 3 + 65 =$

$6 \times 8 + 41 =$

$4 \times 8 + 32 =$

$3 \times 5 + 45 =$

$8 \times 3 + 41 =$

$6 \times 7 + 17 =$

$5 \times 4 + 37 =$

$3 \times 7 + 55 =$

$4 \times 7 + 55 =$

$6 \times 3 + 31 =$

$6 \times 6 + 32 =$

$7 \times 2 + 33 =$

$4 \times 9 + 25 =$

$5 \times 3 + 34 =$

$8 \times 3 + 22 =$

$4 \times 4 + 35 =$

$5 \times 7 + 12 =$

$5 \times 8 + 44 =$

$3 \times 2 + 77 =$

$3 \times 8 + 19 =$

$3 \times 9 + 37 =$

$6 \times 5 + 57 =$

$2 \times 9 + 54 =$

$4 \times 2 + 88 =$



Calculate

$56 \div 8 \times 2 =$

$24 \div 4 \times 9 =$

$32 \div 8 \times 3 =$

$45 \div 5 \times 2 =$

$40 \div 5 \times 4 =$

$28 \div 7 \times 6 =$

$45 \div 9 \times 3 =$

$16 \div 4 \times 3 =$

$27 \div 3 \times 4 =$

$32 \div 8 \times 8 =$

$21 \div 3 \times 5 =$

$14 \div 7 \times 3 =$

$30 \div 5 \times 3 =$

$18 \div 9 \times 7 =$

$15 \div 3 \times 7 =$

$28 \div 7 \times 8 =$

$56 \div 8 \times 4 =$

$32 \div 4 \times 6 =$

$48 \div 8 \times 3 =$

$42 \div 6 \times 5 =$

$40 \div 8 \times 3 =$

$63 \div 9 \times 2 =$

$49 \div 7 \times 7 =$

$45 \div 5 \times 7 =$

$12 \div 3 \times 7 =$

$48 \div 8 \times 5 =$

$56 \div 7 \times 2 =$

$35 \div 5 \times 3 =$

$36 \div 4 \times 2 =$

$54 \div 9 \times 3 =$



Complete the table

	Round of the nearest:		
Number	Ten	Hundred	Thousand
555			
1,298			
45			
5,876			
4,009			
851			
3,288			
904			
6			
884			
5,546			
4,541			
3,499			
48			
4,345			

Mixed multiplication and addition

Calculate



$6 \times 18 + 125 =$

$4 \times 66 + 305 =$

$4 \times 23 + 115 =$

$7 \times 54 + 109 =$

$2 \times 45 + 223 =$

$9 \times 21 + 154 =$

$7 \times 22 + 678 =$

$8 \times 37 + 207 =$

$3 \times 19 + 432 =$

$6 \times 16 + 432 =$

$3 \times 16 + 432 =$

$5 \times 40 + 700 =$

$8 \times 11 + 789 =$

$8 \times 22 + 671 =$

$4 \times 13 + 327 =$

$9 \times 25 + 145 =$

$5 \times 25 + 436 =$

$2 \times 17 + 675 =$

$5 \times 12 + 456 =$

$7 \times 30 + 332 =$

$6 \times 21 + 335 =$

$4 \times 18 + 765 =$

$3 \times 30 + 456 =$

$5 \times 54 + 543 =$

$3 \times 15 + 123 =$

$6 \times 13 + 765 =$

$4 \times 66 + 222 =$

$6 \times 14 + 105 =$

$2 \times 26 + 312 =$

$7 \times 32 + 580 =$

$5 \times 25 + 135 =$

$9 \times 14 + 109 =$

$6 \times 11 + 654 =$

$2 \times 19 + 477 =$

Compare the following fractions by using $>$, $<$ or $=$.



$$\frac{2}{4} \bigcirc \frac{1}{4}$$

$$\frac{3}{5} \bigcirc \frac{3}{6}$$

$$\frac{3}{6} \bigcirc \frac{1}{2}$$

$$\frac{1}{2} \bigcirc \frac{2}{8}$$

$$\frac{2}{6} \bigcirc \frac{1}{2}$$

$$\frac{2}{8} \bigcirc \frac{1}{4}$$

$$\frac{2}{3} \bigcirc \frac{5}{9}$$

$$\frac{4}{6} \bigcirc \frac{2}{3}$$

$$\frac{4}{5} \bigcirc \frac{7}{10}$$

$$\frac{3}{5} \bigcirc \frac{3}{4}$$

$$\frac{3}{3} \bigcirc \frac{8}{9}$$

$$\frac{1}{4} \bigcirc \frac{1}{5}$$

$$\frac{3}{5} \bigcirc \frac{6}{10}$$

$$\frac{5}{6} \bigcirc \frac{3}{3}$$

$$\frac{5}{9} \bigcirc \frac{2}{3}$$

$$\frac{6}{8} \bigcirc \frac{2}{4}$$

$$\frac{2}{3} \bigcirc \frac{9}{9}$$

$$\frac{2}{7} \bigcirc \frac{0}{6}$$

$$\frac{2}{4} \bigcirc \frac{5}{8}$$

$$\frac{2}{8} \bigcirc \frac{2}{7}$$

$$\frac{1}{3} \bigcirc \frac{2}{2}$$

$$\frac{2}{3} \bigcirc \frac{8}{9}$$

$$\frac{3}{4} \bigcirc \frac{3}{5}$$

Mixed numbers and improper fractions

Convert these mixed numbers into improper fractions.

$$2\frac{1}{6} = \frac{\quad}{6}$$

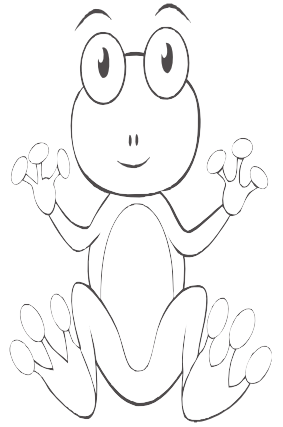
$$3\frac{1}{3} = \frac{\quad}{3}$$

$$1\frac{1}{3} = \frac{\quad}{3}$$

$$5\frac{7}{8} = \frac{\quad}{8}$$

$$4\frac{2}{6} = \frac{\quad}{6}$$

$$2\frac{2}{7} = \frac{\quad}{7}$$



$$5\frac{2}{5} = \frac{\quad}{5}$$

$$6\frac{1}{6} = \frac{\quad}{6}$$

$$1\frac{2}{9} = \frac{\quad}{9}$$

$$2\frac{2}{5} = \frac{\quad}{5}$$

$$2\frac{1}{8} = \frac{\quad}{8}$$

$$3\frac{2}{5} = \frac{\quad}{5}$$

$$5\frac{3}{4} = \frac{\quad}{4}$$

$$4\frac{1}{8} = \frac{\quad}{8}$$

$$1\frac{2}{9} = \frac{\quad}{9}$$

$$2\frac{2}{4} = \frac{\quad}{4}$$

$$3\frac{2}{6} = \frac{\quad}{6}$$

$$5\frac{2}{3} = \frac{\quad}{3}$$

$$2\frac{1}{3} = \frac{\quad}{3}$$

$$5\frac{2}{6} = \frac{\quad}{6}$$

$$3\frac{1}{8} = \frac{\quad}{8}$$

$$1\frac{1}{9} = \frac{\quad}{9}$$

$$9\frac{2}{5} = \frac{\quad}{5}$$

$$7\frac{2}{3} = \frac{\quad}{3}$$

$$5\frac{1}{3} = \frac{\quad}{3}$$

$$4\frac{2}{7} = \frac{\quad}{7}$$

$$2\frac{2}{7} = \frac{\quad}{7}$$

$$1\frac{2}{7} = \frac{\quad}{7}$$

$$1\frac{1}{8} = \frac{\quad}{8}$$

$$4\frac{1}{6} = \frac{\quad}{6}$$

$$5\frac{2}{4} = \frac{\quad}{4}$$

$$1\frac{2}{4} = \frac{\quad}{4}$$

$$2\frac{1}{2} = \frac{\quad}{2}$$

$$3\frac{4}{7} = \frac{\quad}{7}$$

Improper fractions and mixed numbers

Convert these improper fractions into mixed numbers

$$\frac{13}{6} =$$

$$\frac{10}{3} =$$

$$\frac{4}{3} =$$

$$\frac{47}{8} =$$

$$\frac{26}{6} =$$

$$\frac{16}{7} =$$

$$\frac{27}{5} =$$

$$\frac{37}{6} =$$

$$\frac{11}{9} =$$

$$\frac{12}{5} =$$

$$\frac{17}{8} =$$

$$\frac{17}{5} =$$

$$\frac{23}{4} =$$

$$\frac{33}{8} =$$

$$\frac{11}{9} =$$

$$\frac{10}{4} =$$

$$\frac{20}{6} =$$

$$\frac{17}{3} =$$

$$\frac{7}{3} =$$

$$\frac{32}{6} =$$

$$\frac{25}{8} =$$

$$\frac{10}{9} =$$

$$\frac{47}{5} =$$

$$\frac{23}{3} =$$

$$\frac{16}{3} =$$

$$\frac{30}{7} =$$

$$\frac{16}{7} =$$

$$\frac{9}{7} =$$

$$\frac{9}{8} =$$

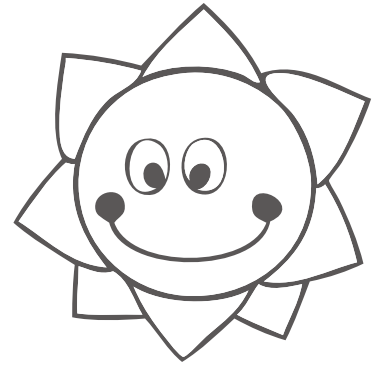
$$\frac{25}{6} =$$

$$\frac{22}{4} =$$

$$\frac{6}{4} =$$

$$\frac{5}{2} =$$

$$\frac{25}{7} =$$



Calculate these fractions of sets

$$\frac{1}{2} \text{ of } 100 =$$

$$\frac{1}{2} \text{ of } 120 =$$

$$\frac{1}{3} \text{ of } 150 =$$

$$\frac{1}{2} \text{ of } 140 =$$

$$\frac{1}{2} \text{ of } 180 =$$

$$\frac{1}{2} \text{ of } 160 =$$

$$\frac{1}{5} \text{ of } 150 =$$

$$\frac{1}{4} \text{ of } 160 =$$

$$\frac{1}{2} \text{ of } 124 =$$

$$\frac{1}{5} \text{ of } 120 =$$

$$\frac{1}{3} \text{ of } 180 =$$

$$\frac{1}{4} \text{ of } 180 =$$

$$\frac{1}{4} \text{ of } 200 =$$

$$\frac{1}{4} \text{ of } 320 =$$

$$\frac{1}{3} \text{ of } 297 =$$

$$\frac{1}{2} \text{ of } 110 =$$

$$\frac{1}{3} \text{ of } 210 =$$

$$\frac{1}{2} \text{ of } 176 =$$

$$\frac{1}{5} \text{ of } 220 =$$

$$\frac{1}{6} \text{ of } 120 =$$

$$\frac{1}{3} \text{ of } 264 =$$

$$\frac{1}{7} \text{ of } 140 =$$

$$\frac{1}{8} \text{ of } 160 =$$

$$\frac{1}{2} \text{ of } 198 =$$

$$\frac{1}{9} \text{ of } 270 =$$

$$\frac{1}{5} \text{ of } 250 =$$

$$\frac{1}{2} \text{ of } 102 =$$

$$\frac{1}{2} \text{ of } 130 =$$

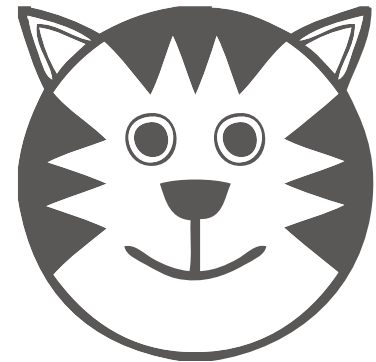
$$\frac{1}{7} \text{ of } 280 =$$

$$\frac{1}{3} \text{ of } 270 =$$

$$\frac{1}{9} \text{ of } 180 =$$

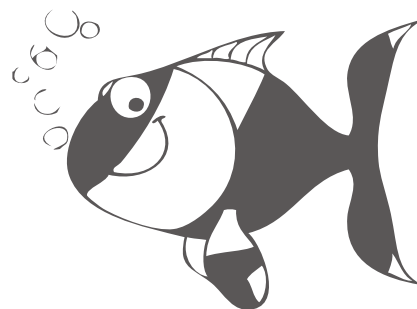
$$\frac{1}{6} \text{ of } 240 =$$

$$\frac{1}{2} \text{ of } 190 =$$



Conversion of Decimals into Fractions

Convert these decimals into fractions (lowest terms!)



$0.5 =$

$0.3 =$

$0.45 =$

$0.01 =$

$0.05 =$

$0.06 =$

$0.1 =$

$0.2 =$

$0.35 =$

$0.8 =$

$0.12 =$

$0.7 =$

$0.75 =$

$0.21 =$

$0.6 =$

$0.25 =$

$0.37 =$

$0.85 =$

$0.02 =$

$0.08 =$

$0.05 =$

$0.09 =$

$0.04 =$

$0.16 =$

$0.15 =$

$0.22 =$

$0.99 =$

$0.14 =$

$0.65 =$

$0.36 =$

$0.02 =$

$0.28 =$

$0.13 =$

$1.1 =$

Adding decimal numbers

Add the following decimal numbers!



$2.8 + 12.28 =$

$7.2 + 1.28 =$

$5.2 + 15.8 =$

$1.5 + 19.99 =$

$2.5 + 17.5 =$

$2.7 + 55.32 =$

$5.6 + 14.39 =$

$2.3 + 13.7 =$

$5 + 16.48 =$

$9.9 + 14.55 =$

$9.9 + 11.11 =$

$2.4 + 24.06 =$

$5 + 14.99 =$

$7.2 + 12.78 =$

$2.1 + 14.11 =$

$8.8 + 15.01 =$

$9.9 + 19.99 =$

$7.5 + 12.45 =$

$1.2 + 12.22 =$

$5.8 + 19.2 =$

$2.9 + 19.28 =$

$2.1 + 12.99 =$

$0.8 + 0.28 =$

$3.1 + 13.11 =$

$9.8 + 14.31 =$

Subtraction of decimal numbers

Subtract the following decimal numbers!

$9.8 - 8.28 =$

$7.2 - 1.28 =$

$5.2 - 3.8 =$

$7.5 - 3.99 =$

$8.2 - 3.22 =$

$2.7 - 1.32 =$

$5.6 - 4.39 =$

$2.3 - 1.27 =$

$5 - 3.48 =$

$9.9 - 4.55 =$

$9.9 - 2.11 =$

$2.4 - 2.06 =$

$5 - 4.99 =$

$7.2 - 2.78 =$

$9.1 - 4.11 =$

$8.8 - 5.01 =$

$9.9 - 8.99 =$

$7.5 - 2.45 =$

$4.2 - 2.22 =$

$5.8 - 1.2 =$

$3.9 - 1.28 =$

$7.1 - 2.99 =$

$0.7 - 0.28 =$

$3.1 - 1.22 =$

$9.8 - 4.31 =$



Dividing decimal numbers

Divide.

$4.8 \div 8 =$

$4.5 \div 3 =$

$2.45 \div 7 =$

$6.4 \div 4 =$



$6.8 \div 2 =$

$3.08 \div 2 =$

$2.7 \div 3 =$

$4.62 \div 3 =$

$4.95 \div 9 =$

$6.3 \div 3 =$

$4.05 \div 3 =$

$9.6 \div 3 =$

$4.6 \div 4 =$

$0.9 \div 3 =$

$7.5 \div 6 =$

$6 \div 5 =$

$9.5 \div 2 =$

$0.9 \div 3 =$

$7.8 \div 6 =$

$2.4 \div 4 =$

$6.8 \div 4 =$

$2.4 \div 3 =$

$4.25 \div 5 =$

$4.8 \div 8 =$

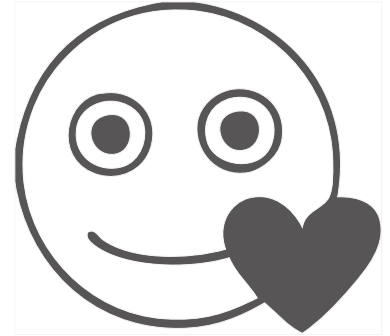
$9 \div 4 =$

Rounding off to the nearest tenth

Round the following numbers off to the nearest tenth

7.25 _____

0.28 _____



3.54 _____

7.52 _____

1.33 _____

4.66 _____

2.25 _____

7.24 _____

4.69 _____

8.13 _____

1.09 _____

4.04 _____

7.03 _____

4.93 _____

8.18 _____

3.51 _____

3.19 _____

5.05 _____

6.65 _____

1.99 _____

7.44 _____

0.33 _____

Calculate these fractions of sets (round off to the nearest hundredth).

$$\frac{1}{2} \text{ of } 135 =$$

$$\frac{1}{3} \text{ of } 80 =$$

$$\frac{1}{3} \text{ of } 50 =$$

$$\frac{1}{4} \text{ of } 30 =$$

$$\frac{1}{2} \text{ of } 105 =$$

$$\frac{1}{3} \text{ of } 170 =$$

$$\frac{1}{2} \text{ of } 93 =$$

$$\frac{1}{2} \text{ of } 191 =$$

$$\frac{1}{2} \text{ of } 176 =$$

$$\frac{1}{5} \text{ of } 153 =$$

$$\frac{1}{3} \text{ of } 95 =$$

$$\frac{1}{3} \text{ of } 190 =$$

$$\frac{1}{6} \text{ of } 110 =$$

$$\frac{1}{10} \text{ of } 155 =$$

$$\frac{1}{2} \text{ of } 165 =$$

$$\frac{1}{4} \text{ of } 225 =$$

$$\frac{1}{8} \text{ of } 140 =$$

$$\frac{1}{3} \text{ of } 125 =$$

$$\frac{1}{4} \text{ of } 174 =$$

$$\frac{1}{9} \text{ of } 70 =$$

$$\frac{1}{4} \text{ of } 124 =$$

$$\frac{1}{6} \text{ of } 60 =$$

$$\frac{1}{8} \text{ of } 180 =$$

$$\frac{1}{9} \text{ of } 99 =$$

$$\frac{1}{7} \text{ of } 147 =$$

$$\frac{1}{4} \text{ of } 244 =$$

$$\frac{1}{6} \text{ of } 104 =$$

$$\frac{1}{9} \text{ of } 50 =$$

$$\frac{1}{6} \text{ of } 150 =$$

$$\frac{1}{5} \text{ of } 110 =$$

$$\frac{1}{8} \text{ of } 190 =$$

$$\frac{1}{3} \text{ of } 200 =$$

$$\frac{1}{7} \text{ of } 200 =$$



Addition and Subtraction of fractions

Calculate and show your answers in the lowest terms

$$\frac{2}{6} + \frac{1}{4} =$$

$$\frac{1}{3} + \frac{1}{7} =$$

$$\frac{1}{4} + \frac{1}{2} =$$

$$\frac{1}{5} + \frac{1}{3} =$$

$$\frac{3}{6} + \frac{1}{10} =$$

$$\frac{1}{3} + \frac{2}{12} =$$

$$\frac{2}{7} + \frac{1}{5} =$$

$$\frac{1}{2} + \frac{1}{7} =$$

$$\frac{1}{3} + \frac{4}{10} =$$

$$\frac{1}{3} + \frac{3}{6} =$$

$$\frac{1}{2} + \frac{1}{6} =$$

$$\frac{1}{3} + \frac{5}{14} =$$

$$\frac{2}{6} + \frac{2}{10} =$$

$$\frac{1}{5} + \frac{1}{8} =$$

$$\frac{1}{2} + \frac{2}{5} =$$

$$\frac{1}{5} + \frac{1}{6} =$$

$$\frac{3}{6} + \frac{1}{14} =$$

$$\frac{3}{8} + \frac{3}{7} =$$

$$\frac{4}{7} + \frac{1}{4} =$$

$$\frac{1}{5} + \frac{2}{4} =$$

$$\frac{1}{5} + \frac{3}{7} =$$

$$\frac{1}{10} + \frac{4}{15} =$$

$$\frac{3}{8} + \frac{0}{9} =$$

$$\frac{1}{4} + \frac{1}{9} =$$

$$\frac{3}{10} + \frac{1}{4} =$$

$$\frac{5}{6} + \frac{1}{8} =$$

$$\frac{1}{5} + \frac{3}{20} =$$



Addition and Subtraction of fractions

Calculate and show your answers in the lowest terms

$$\frac{1}{4} - \frac{1}{6} =$$

$$\frac{1}{2} - \frac{1}{3} =$$

$$\frac{2}{4} - \frac{1}{3} =$$

$$\frac{1}{5} - \frac{1}{6} =$$

$$\frac{1}{6} - \frac{1}{10} =$$

$$\frac{1}{3} - \frac{2}{10} =$$

$$\frac{2}{3} - \frac{1}{5} =$$

$$\frac{1}{2} - \frac{1}{9} =$$

$$\frac{2}{3} - \frac{4}{10} =$$

$$\frac{2}{3} - \frac{4}{8} =$$

$$\frac{1}{2} - \frac{1}{5} =$$

$$\frac{3}{4} - \frac{5}{10} =$$

$$\frac{3}{6} - \frac{2}{10} =$$

$$\frac{1}{3} - \frac{1}{8} =$$

$$\frac{1}{2} - \frac{2}{7} =$$

$$\frac{3}{5} - \frac{1}{6} =$$

$$\frac{3}{6} - \frac{1}{15} =$$

$$\frac{3}{8} - \frac{2}{6} =$$

$$\frac{4}{7} - \frac{2}{4} =$$

$$\frac{3}{4} - \frac{2}{3} =$$

$$\frac{4}{8} - \frac{3}{7} =$$

$$\frac{4}{10} - \frac{4}{15} =$$

$$\frac{4}{7} - \frac{0}{9} =$$

$$\frac{1}{6} - \frac{1}{9} =$$

$$\frac{3}{10} - \frac{1}{4} =$$

$$\frac{5}{6} - \frac{1}{8} =$$

$$\frac{1}{5} - \frac{3}{20} =$$



Multiplying Fractions

Multiply and express your answers in the lowest terms

$$\frac{1}{4} \times \frac{1}{3} =$$

$$\frac{1}{8} \times \frac{1}{3} =$$

$$\frac{2}{5} \times \frac{2}{4} =$$

$$\frac{2}{5} \times \frac{3}{7} =$$

$$\frac{3}{4} \times \frac{1}{4} =$$

$$\frac{2}{7} \times \frac{6}{6} =$$

$$\frac{1}{3} \times \frac{1}{2} =$$

$$\frac{1}{8} \times \frac{4}{6} =$$

$$\frac{1}{7} \times \frac{2}{7} =$$

$$\frac{1}{9} \times \frac{4}{2} =$$

$$\frac{4}{7} \times \frac{2}{3} =$$

$$\frac{4}{3} \times \frac{1}{3} =$$

$$\frac{2}{5} \times \frac{2}{3} =$$

$$\frac{1}{7} \times \frac{2}{6} =$$

$$\frac{1}{3} \times \frac{3}{8} =$$

$$\frac{1}{4} \times \frac{5}{6} =$$

$$\frac{1}{4} \times \frac{3}{5} =$$

$$\frac{2}{5} \times \frac{3}{4} =$$

$$\frac{2}{6} \times \frac{5}{7} =$$

$$\frac{5}{6} \times \frac{2}{3} =$$

$$\frac{1}{6} \times \frac{2}{3} =$$

$$\frac{1}{3} \times \frac{3}{5} =$$

$$\frac{2}{3} \times \frac{2}{3} =$$

$$\frac{3}{4} \times \frac{6}{8} =$$



Dividing Fractions

Divide and express your answers in mixed numbers and the lowest terms

$$\frac{1}{5} \div \frac{1}{4} =$$

$$\frac{1}{3} \div \frac{1}{3} =$$

$$\frac{1}{4} \div \frac{1}{5} =$$

$$\frac{1}{9} \div \frac{3}{7} =$$

$$\frac{2}{7} \div \frac{1}{6} =$$

$$\frac{6}{8} \div \frac{1}{4} =$$

$$\frac{1}{3} \div \frac{1}{7} =$$

$$\frac{1}{4} \div \frac{4}{6} =$$

$$\frac{5}{7} \div \frac{1}{9} =$$

$$\frac{3}{5} \div \frac{1}{2} =$$

$$\frac{4}{6} \div \frac{1}{3} =$$

$$\frac{1}{7} \div \frac{1}{9} =$$

$$\frac{1}{7} \div \frac{2}{8} =$$

$$\frac{1}{2} \div \frac{1}{7} =$$

$$\frac{1}{4} \div \frac{1}{8} =$$

$$\frac{1}{3} \div \frac{2}{5} =$$

$$\frac{1}{7} \div \frac{1}{5} =$$

$$\frac{3}{5} \div \frac{1}{4} =$$

$$\frac{1}{7} \div \frac{2}{7} =$$

$$\frac{2}{9} \div \frac{2}{3} =$$

$$\frac{2}{6} \div \frac{1}{8} =$$

$$\frac{2}{4} \div \frac{3}{5} =$$

$$\frac{2}{5} \div \frac{1}{7} =$$

$$\frac{1}{3} \div \frac{1}{9} =$$



Divisibility rules of 2, 3, 4 and 6

Are the following numbers divisible by 2, 3, 4 and 6 (no remainders or decimals)?
Complete the tables with yes or no (the first one is done for you).

128	
By 2	Yes
By 3	No
By 4	Yes
By 6	No

345	
By 2	
By 3	
By 4	
By 6	



1,250	
By 2	
By 3	
By 4	
By 6	

750	
By 2	
By 3	
By 4	
By 6	

663	
By 2	
By 3	
By 4	
By 6	

734	
By 2	
By 3	
By 4	
By 6	

132	
By 2	
By 3	
By 4	
By 6	

500	
By 2	
By 3	
By 4	
By 6	

950	
By 2	
By 3	
By 4	
By 6	

380	
By 2	
By 3	
By 4	
By 6	

2,500	
By 2	
By 3	
By 4	
By 6	

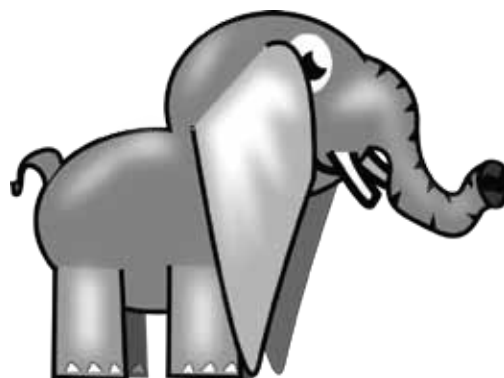
Calculate

$$2^2 =$$

$$4^4 =$$

$$2^3 =$$

$$5^2 =$$



$$3^2 =$$

$$6^2 =$$

$$3^6 =$$

$$1^2 =$$

$$2^4 =$$

$$3^3 =$$

$$9^0 =$$

$$3^0 =$$

$$2^5 =$$

$$4^3 =$$

$$8^2 =$$

$$1^3 =$$

$$4^2 =$$

$$3^1 =$$

$$6^2 =$$

$$7^2 =$$

$$2^0 =$$

$$7^0 =$$

$$5^2 =$$

$$2^9 =$$

$$5^3 =$$

$$4^1 =$$

$$9^2 =$$

$$7^3 =$$

$$7^1 =$$

$$6^1 =$$

$$2^8 =$$

$$8^0 =$$

$$2^6 =$$

$$3^5 =$$

$$9^3 =$$

$$1^5 =$$

$$4^0 =$$

$$2^7 =$$

$$8^3 =$$

$$5^4 =$$

Calculations with 3 Integers

Calculate

$$-12 \times 4 \times -12 =$$

$$15 + -4 \times -10 =$$

$$12 + 7 \times -12 =$$

$$-20 \times -4 \times -12 =$$

$$-72 \times -2 + -52 =$$

$$-20 \times -5 \times 9 =$$

$$-15 \times 3 - -12 =$$

$$12 - 4 \times 19 =$$

$$-19 \times -3 - -99 =$$

$$-15 + 4 \times -12 =$$

$$-14 - 9 \times -12 =$$

$$20 + 8 \times -10 =$$



$$-12 \times 2 \times -11 =$$

$$-25 \times 4 + -12 =$$

$$-12 + 4 - -12 =$$

$$-16 \times 2 \times -10 =$$

$$11 \times 2 + -12 =$$

$$-14 + 4 + -12 =$$

$$-12 \times 5 \times -12 =$$

$$12 + -6 \times -24 =$$

$$-12 \times 3 \times -16 =$$

$$-15 \times -3 + 99 =$$

Order of Operations: Bodmas

Use the BODMAS rules!



$12 \times (4 + 12) =$

$12 \times (4 \div 2) =$

$72 - (3 \times 15) =$

$18 + 9 - 13 =$

$23 - 4 \times 2 =$

$10 \times 3 - 22 =$

$12 \div (2 + 2) =$

$12 - (4 \times 2) =$

$24 \div (4 + 2) =$

$12 \times 8 + 10 =$

$12 \times (8 - 7) =$

$(4 \times 8) \div 0.5 =$

$12 \times (14 + 7) =$

$72 \div (3 + 15) =$

$18 \div 9 - 2 =$

$21 \times (4 \div 12) =$

$23 \times 4 \div 2 =$

$10 - 3 \times 2 =$

$15 \div (4 \div 12) =$

$12 \times (7 + 2) =$

$24 \times (4 \div 2) =$

$15 + 5 \times 12 =$

$12 + 8 \div 2 =$

$75 \times (4 - 2) =$

$12 - 4 \times 3 =$

$72 - 4 \times 15 =$

$18 + 9 \div 3 =$

$30 \times 4 \div 12 =$

$23 + 8 \div 2 =$

$10 \div 3 \times 3 =$

$12 - (8 - 2) =$

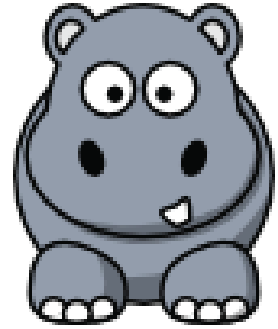
$(10 + 16) \div 2 =$

$38 + 4 \times 2 =$

$12 - 10 \div 2 =$

Order of Operations: Bodmas

Use the BODMAS rules!



$15 \times (3 + 12) =$

$17 \times (9 \div 2) =$

$75 - (3 \times 13) =$

$17 + 4 - 13 =$

$25 - 5 \times 2 =$

$10 \times 9 - 22 =$

$36 \div (4 + 2) =$

$18 - (3 \times 2) =$

$24 \div (8 + 2) =$

$12 \times 3 + 10 =$

$15 \times (8 - 7) =$

$(2 \times 5) \div 0.1 =$

$15 \times (12 + 7) =$

$45 \div (3 + 12) =$

$27 \div 3 - 2 =$

$14 \times (8 \div 16) =$

$20 \times 8 \div 2 =$

$22 - 4 \times 2 =$

$15 \div (4 \div 16) =$

$22 \times (3 + 2) =$

$20 \times (6 \div 2) =$

$32 + 5 \times 12 =$

$25 + 6 \div 2 =$

$70 \times (4 - 2) =$

$66 - 4 \times 3 =$

$55 - 3 \times 15 =$

$10 + 9 \div 3 =$

$25 \times 4 \div 10 =$

$23 + 6 \div 2 =$

$10 \div 2 \times 3 =$

$19 - (7 - 2) =$

$(11 + 13) \div 2 =$

$67 + 4 \times 2 =$

$12 - 18 \div 2 =$