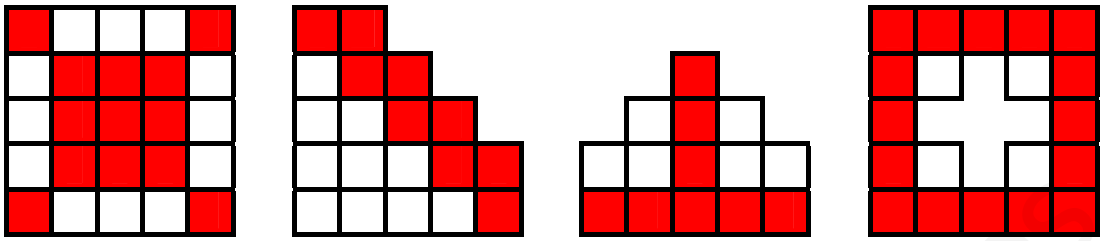
FRACTIONS 1

1) What fraction of the boxes are coloured in?

a) b) c) d)



2) Work out these amounts:

a) $\frac{2}{5}$ of £10 b) $\frac{3}{4}$ of 3 kg c) $\frac{2}{7}$ of 14€ d) $\frac{3}{4}$ of 2 km

3) Write the fractions in its lowest terms:

a) $\frac{15}{20}=$ b) $\frac{33}{22}=$ c) $\frac{27}{99}=$

e) $\frac{25}{30}=$ f) $\frac{26}{39}=$ g) $\frac{21}{35}=$

4) Divide each cross into the given fraction:

a) HALVES	b) QUARTERS	c) FIFTHS	d) EIGHTHS

5) Work out the value of x in each one of these:

a) $\frac{18}{33}=\frac{24}{x}$ b) $\frac{14}{49}=\frac{x}{14}$

6) I ate $\frac{2}{5}$ of my 20 candies. How many do I have left?

7) Four kids have a pizza to share equally. What fraction of pizza did each kid get?

8) Lewis has 5 euros. This is only one-fourth of the money he had last week. How much did he have last week?

9) Mary has 21 crayons and she has to give 2/7 of them to Ben. How many crayons Ben got from Mary?

10) There were 540 students in a school. Friday was their trip day to the museum. 2/10 of the kids went by bus and 1/10 of the kids went by car. How many kids went by bus? How many kids went by car?

11) Write down these fractions: a) $\frac{6}{13}$ b) $\frac{1}{4}$ c) $\frac{2}{5}$ d) $\frac{5}{8}$

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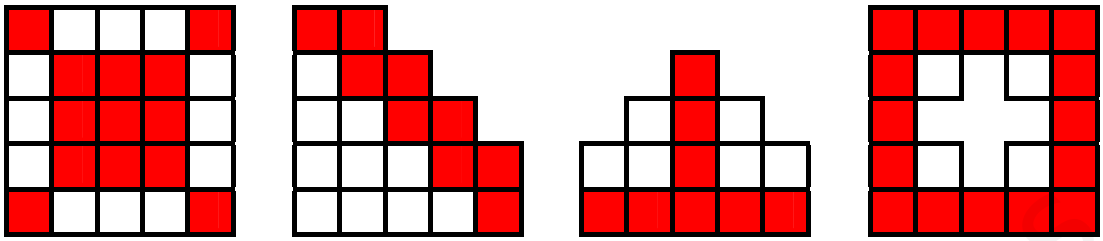
SOLUTIONS

1) What fraction of the boxes are coloured in?

a) b) c) d)



a) $\frac{13}{25}$ b) $\frac{9}{19}$ c) $\frac{8}{14}=\frac{4}{7}$ d) $\frac{16}{20}=\frac{4}{5}$

2) Work out these amounts:

a) $\frac{2}{5}$ of £10 $\rightarrow 10\div 5=2\rightarrow 2\times 2=4\rightarrow$ £4

b) $\frac{3}{4}$ of 3 kg $\rightarrow 3\times 3=9\rightarrow 9\div 4=2.25\rightarrow 2.25$kg

c) $\frac{2}{7}$ of 14€ $\rightarrow 14\div 7=2\rightarrow 2\times 2=4\rightarrow 4$€

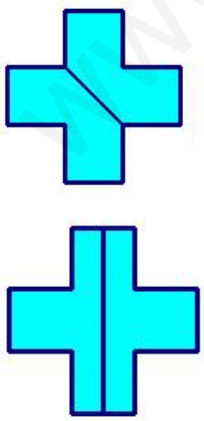
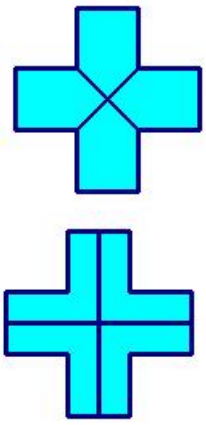
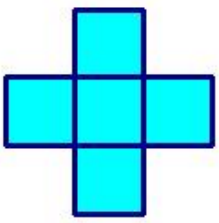
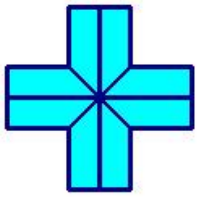
d) $\frac{3}{4}$ of 2 km $\rightarrow 3\times 2=6\rightarrow 6\div 4=1.5$ km

3) Write the fractions in its lowest terms:

a) $\frac{15}{20}=\frac{3}{4}$ b) $\frac{33}{22}=\frac{3}{2}$ c) $\frac{27}{99}=\frac{3}{11}$

e) $\frac{25}{30}=\frac{5}{6}$ f) $\frac{26}{39}=\frac{2}{3}$ g) $\frac{21}{35}=\frac{3}{5}$

4) Divide each cross into the given fraction:

a) HALVES	b) QUARTERS	c) FIFTHS	d) EIGHTHS
			

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5) Work out the value of x in each one of these:

a) $\frac{18}{33}=\frac{24}{x}\rightarrow 18x=33\cdot 24\rightarrow 18x=792\rightarrow x=792\div 18\rightarrow x=44$

b) $\frac{14}{49}=\frac{x}{14}\rightarrow 14\cdot 14=49x\rightarrow 49x=196\rightarrow x=196\div 49\rightarrow x=4$

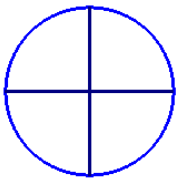
6) I ate $\frac{2}{5}$ of my 20 candies. How many do I have left?

$\frac{2}{5}\text{of } 20\rightarrow 20\div 5=4\rightarrow 4x2=8$

I ate 8 candies $\rightarrow 20-8=12$

I have left 12 candies

7) Four kids have a pizza to share equally. What fraction of pizza did each kid get?

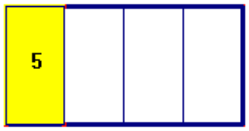


$\frac{1}{4}$ of pizza each kid got

8) Lewis has 5 euros. This is only one-fourth of the money he had last week. How much did he have last week?

5 x 4 = 20

He had 20€ last week



9) Mary has 21 crayons and she has to give 2/7 of them to Ben. How many crayons Ben got from Mary?

$\frac{2}{7}\text{of } 21\rightarrow 21\div 7=3\rightarrow 3\times 2=6$

Ben got 6 crayons from Mary

10) There were 540 students in a school. Friday was their trip day to the museum. 2/10 of the kids went by bus and 1/10 of the kids went by car. How many kids went by bus? How many kids went by car?

$\frac{2}{10}\text{of } 540=108$ 108 kids went by bus

$\frac{1}{10}\text{of } 540=54$ 54 kids went by car

11) Write down these fractions: a) $\frac{6}{13}$ six over thirteen, six thirteenths

b) $\frac{1}{4}$ one over four, one quarter c) $\frac{2}{5}$ two over five, two fifths

d) $\frac{5}{8}$ five over eight, five eighths

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