

Name: ..... Date: .....

Use your knowledge of fractions to help you answer the following questions.

1. Put the following numbers on a number line.

1	0.75	$\frac{5}{8}$	$\frac{6}{16}$	0.5	$\frac{1}{4}$
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0



2. Simplify the following fractions.

$\frac{10}{50} = \dots\dots\dots$

$\frac{12}{36} = \dots\dots\dots$

$\frac{2}{18} = \dots\dots\dots$

$\frac{36}{45} = \dots\dots\dots$

$\frac{14}{21} = \dots\dots\dots$

$\frac{15}{35} = \dots\dots\dots$

3. Complete the following addition and subtraction calculations. Check the operation used!

$\frac{1}{2} + \frac{1}{8} = \dots\dots\dots$

$\frac{16}{20} + \frac{1}{5} = \dots\dots\dots$

$\frac{3}{8} + \frac{9}{16} = \dots\dots\dots$

$\frac{1}{2} - \frac{1}{8} = \dots\dots\dots$

$\frac{4}{7} - \frac{3}{21} = \dots\dots\dots$

$\frac{2}{3} - \frac{1}{6} = \dots\dots\dots$

4. Complete the following multiplication and division calculations. Check the operation used!

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

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

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

$\frac{1}{4} \div 2 = \dots\dots\dots$

5. Find  $\frac{3}{4}$  of 160. Show your workings out. Write your answer in both figures and words.

.....  
 .....

6. Find  $\frac{1}{2}$  of 1256. Show your workings out. Write your answer in both figures and words.

.....  
 .....

7. Sarah saved  $\frac{2}{7}$  of her £28 pocket money. How much did she spend? Show your workings out.

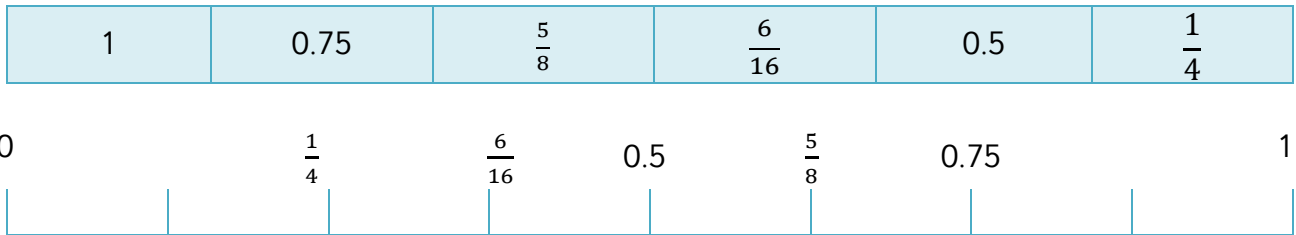
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8. If  $\frac{1}{3}$  of a length of string is 60cm. How long is the full length? Show your workings out.

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## Answers

1. Put the following numbers on a number line.



2. Simplify the following fractions.

$$\frac{10}{50} = \frac{1}{5}$$

$$\frac{12}{36} = \frac{1}{3}$$

$$\frac{2}{18} = \frac{1}{9}$$

$$\frac{36}{45} = \frac{4}{5}$$

$$\frac{14}{21} = \frac{2}{3}$$

$$\frac{15}{35} = \frac{3}{7}$$

3. Complete the following addition and subtraction calculations. Check the operation used!

$$\frac{1}{2} + \frac{1}{8} = \frac{5}{8}$$

$$\frac{16}{20} + \frac{1}{5} = 1 \text{ whole}$$

$$\frac{3}{8} + \frac{9}{16} = \frac{15}{16}$$

$$\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$$

$$\frac{4}{7} - \frac{3}{21} = \frac{9}{21}$$

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

4. Complete the following multiplication and division calculations. Check the operation used!

$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

$$\frac{3}{4} \times 6 = \frac{18}{4} = 4\frac{1}{2}$$

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

$$\frac{1}{4} \div 2 = \frac{1}{8}$$

5. Find  $\frac{3}{4}$  of 160. Show your workings out. Write your answer in both figures and words.

120 = one hundred and twenty

6. Find  $\frac{1}{2}$  of 1256. Show your workings out. Write your answer in both figures and words.

628 = six hundred and twenty eight

7. Sarah saved  $\frac{2}{7}$  of her £28 pocket money. How much did she spend? Show your workings out.

£8 saved, so £20 spent

8. If  $\frac{1}{3}$  of a length of string is 60cm. How long is the full length? Show your workings out.

60cm  $\times$  3 = 180cm = 1.8m