



To be completed on loose-leaf paper.

Due date: _____

1. List all the factors of the following numbers.

a. $12 \rightarrow$

c. $7 \rightarrow$

b. $34 \rightarrow$

d. $98 \rightarrow$

2. List the number/s, from question 1, that are prime numbers. Explain what a *prime number* is?

3. Copy and complete the following equivalent fractions.

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

$$\frac{3}{5} = \frac{6}{\quad} = \frac{\quad}{40}$$

$$\frac{5}{12} = \frac{\quad}{36} = \frac{30}{\quad}$$

4. Draw a diagram showing which fraction is larger, $\frac{2}{3}$ or $\frac{5}{6}$?

5. Rewrite the following in ascending order:

$$\frac{4}{5}, \frac{3}{4}, \frac{3}{6}, \frac{2}{3}$$

6. What is the lowest common denominator of $\frac{3}{4}, \frac{4}{7}$ and $\frac{1}{2}$?

7. Copy and without using a calculator, complete the following calculations.

a. $\frac{3}{7} + \frac{2}{7}$

b. $\frac{11}{18} - \frac{6}{18}$

c. $\frac{4}{5} + \frac{2}{3}$

d. $2\frac{2}{8} + \frac{3}{8} - 1\frac{4}{8}$

8. Convert to mixed numbers.

a. $\frac{7}{2}$

b. $\frac{32}{5}$

9. Convert to improper fractions.

a. $3\frac{1}{3}$

b. $6\frac{4}{7}$

10. Multiply the fractions giving you answer in simplest form.

a. $\frac{6}{11} \times \frac{7}{8}$

d. $\frac{2}{5} \times \frac{3}{4}$

g. $2\frac{1}{4} \times 1\frac{3}{5}$

b. $\frac{9}{12} \times \frac{2}{3}$

e. $\frac{4}{3} \times \frac{8}{5}$

h. $2\frac{2}{5} \times 4\frac{1}{2}$

c. $\frac{6}{8} \times \frac{4}{12}$

f. $\frac{12}{10} \times \frac{5}{4}$

i. $4\frac{1}{5} \times 2\frac{2}{3}$

NAPLAN Questions from non-calculator paper 2010

The picture shows a stone head.



The picture is 3 cm high. The actual head is 60 cm high.

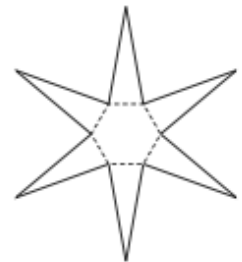
What scale is used in the picture?

- 3 cm represents 20 cm
- 6 cm represents 30 cm
- 1 cm represents 2 cm
- 1 cm represents 20 cm

Angela made this net.

What 3D object will it make?

- hexagonal prism
- octagonal prism
- hexagonal pyramid
- octagonal pyramid



Which percentage has the same value as $\frac{44}{50}$?

94%

88%

44%

22%