Practice Unit 7: Fractions, Decimals and Percentages

Name: _____

1. What fraction of each bar is shaded? Write each fraction as a percentage.

a)



Fraction: _____ Percentage: _____

b)



Fraction: _____ Percentage: _____

c)



Fraction: _____ Percentage: _____

2. Circle the improper fraction that is equivalent to 3 ⅖ .

12/5 15/5 17/5 22/5

3. Draw a diagram to show how you know your answer to Question 2.

_____

_____

4. Circle the larger number in each pair.

a) 0.4 or ½

b) 0.65 or ⅗

c) ¾ or 0.8

d) 0.25 or ⅕

5. Write each decimal as a fraction and a percentage.

a) 0.3 Fraction: _____ Percentage: _____

b) 0.6 Fraction: _____ Percentage: _____

c) 0.45 Fraction: _____ Percentage: _____

6. Find these fractions of the quantities. Show your working.

a) ⅖ of 35 = _____

b) ¾ of 28 = _____

c) ⅝ of forty = _____

Practice Unit 7: Fractions, Decimals and Percentages

Name: _____

7. Tick (✓) the true statements and cross (✗) the false statements. Correct the false ones.

a) ⅖ of 30 = 12 _____

Correction (if false): _____

b) ¾ of 16 = 10 _____

Correction (if false): _____

c) ⅒ of 90 = 9 _____

Correction (if false): _____

8. A computer file is divided into 20 equal parts. 15 parts have downloaded. Write the downloaded part as a fraction, a decimal and a percentage.

Fraction: _____ Decimal: _____ Percentage: _____

9. Put these numbers in order from smallest to largest.

35% 0.8 ½ 0.25 ¾

_____

10. Convert the following.

a) 65% into a decimal: _____

b) 0.09 into a percentage: _____

c) ⅖ into a decimal: _____

d) ¼ into a percentage: _____

11. A ribbon is 45 cm long. Ayesha uses ⅓ of the ribbon. How many centimetres does she use?

Working: _____

Answer: _____

12. There are 40 pupils in a class. 25% of them walk to school. How many pupils walk to school?

Working: _____

Answer: _____

13. Three children played a target game. Each child had 20 turns.

Hana hit the target 14 times.

Bilal hit the target 16 times.

Sara hit the target 10 times.

Write their names in order, starting with the child who hit the target the most.

_____