

Master Maths 10 Worksheet 7

Percentages 1

7

Name: _____

1. An oil blend consisted of three different oils: olive (28.3%), safflower (54.4%) and canola. What percentage of the oil blend is canola?

2. Complete the following conversion table.

Percentage	Fraction	Decimal
50%	$\frac{1}{2}$	0.5
30%		
	$\frac{3}{5}$	
		0.07
38.4%		
	$\frac{5}{16}$	
		0.255

3. Write the first quantity as a percentage of the second.

(a) 4 kg, 20 kg (b) 18 min, 1 hour

(c) 15 mm, 8 cm (d) 2.4 tonnes, 800 kg

4. At a football match there were 25 784 spectators. 2496 were standing. What percentage of the spectators were standing?

Give answer correct to one decimal place.

5. The population of a town was 7642. In ten years it grew to 8231. What was the percentage growth of the town? Give answer correct to one decimal place.

6. Find the following quantities.

(a) 20% of 58 kg (b) 8.5% of \$54 600

7. The owner of a clothes store in one year makes a profit of \$44 000. She hopes to increase her profit by 10% each year for the next two years. What profit is she expecting in the second year?

8. Find the selling price of a \$450 dress after it has been discounted by 20%.

9. In one year an iceberg melts to 90% of its original size. In the next year it melts to 80% of its reduced size.

What percentage is it now of its original size?

10. A fish tank is being filled. 160 litres has been added and the tank is 20% full. What is the capacity of the fish tank?