



Grade 7: Chapter 5 Test – Percents

Student Name		Class		Date	
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MULTIPLE CHOICE QUESTIONS: NO CALCULATOR ALLOWED

1	60 is what percent of 50?	
	A	10%
	B	20%
	C	110%
	D	120%

2	What is the best estimate for 3% of 688?	
	A	7
	B	21
	C	70
	D	210

3	60% of what number is 18?	
	A	3
	B	21
	C	30
	D	36

4	Calculate 40% of 65.	
	A	0.65
	B	2.6
	C	6.5
	D	26



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5	Whilst playing football, Adil takes 8 shots but only 2 were on target. What percent of his shots were on target?	
	A	2%
	B	20%
	C	25%
	D	40%

6	Ahmed measures the width of his room to be 3.3 meters, the actual width was 3 meters. What is his percent error in measuring the width of his room?	
	A	0.1%
	B	1%
	C	3%
	D	10%

7	What formula can we use to calculate simple interest?	
	A	$I = prt$
	B	$I = \frac{pr}{t}$
	C	$I = \frac{pt}{r}$
	D	$I = \frac{p}{rt}$

8	Ali gets a discount of 23% on a bike he is purchasing. What percent of the original price will Ali pay?	
	A	23%
	B	50%
	C	77%
	D	87%

9	Amina spent AED 239 on her haircut. About how much should she leave for a 20% tip?	
	A	AED 20
	B	AED 40
	C	AED 50
	D	AED 100



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10	Express an equation that can be used to find what percent 11 is of 59?	
	A	$59 = 1100p$
	B	$1100 = 59p$
	C	$(59 - 11) = 360p$
	D	$11(59) = p$



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CONSTRUCTED RESPONSE QUESTIONS: CALCULATOR MAY BE USED

11	A jacket that regularly sells for AED 329 is on sale for AED 279. What is the percent discount, to the nearest tenth of a percent?
	marks: / 4

12	A video controller cost AED 60. If a 6.75% sales tax is added, what is the total cost?
	marks: / 3

13	30% of the CD's Hala owns are Classical music. If Hala owns 150 CD's, how many are classical?
	marks: / 3



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14	Find the simple interest on AED 25,000 at 3.5% over 4 years.	
	marks:	/ 2

15	What is the total amount in an account after 3 years if the interest is compounded annually on an amount of AED 32,000 at 4.8%?	
	marks:	/ 3

MULTIPLE CHOICE SECTION:	/10
EXTENDED RESPONSE SECTION:	/15
TOTAL MARKS:	/25
PERCENT:	%

Grade	7	Lesson(s)	5-1, 5-2, 5-3, 5-4, 5-5, 5-6
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Answer Key

MULTIPLE CHOICE QUESTIONS:

Q1	D
Q2	B
Q3	C
Q4	D
Q5	C
Q6	D
Q7	A
Q8	C
Q9	C
Q10	B

CONSTRUCTED RESPONSE QUESTIONS: CALCULATOR MAY BE USED

Q11	Ans: 15.2%	
	<ul style="list-style-type: none"> Original – sale price Percent discount Answer Round to nearest 10th 	<ol style="list-style-type: none"> $329 - 279 = 50$ $50/329 \times 100$ 15.197568 % 15.2 %
<ul style="list-style-type: none"> If no working is given for 3rd mark but final answer is correct, award both 3rd and 4th marks. 		

Q12	Ans: AED 64.05	
	<ul style="list-style-type: none"> calculate tax tax amount total cost 	<ol style="list-style-type: none"> 60×0.0675 or $60 \times 6.75 \div 100$ 4.05 AED 64.05
<ul style="list-style-type: none"> Student may use $60 \times 1.065 = 64.05$, award all 3 marks Do not penalise for no units 		

Q13	Ans: 45 Cd's are classical	
	<ul style="list-style-type: none"> Percent proportion Rearrange Number of CD's 	<ol style="list-style-type: none"> $\frac{CD's}{150} = \frac{30}{100}$ $p = \frac{150 \times 30}{100}$ 45 CD's
<ul style="list-style-type: none"> student may use $CD's = 150 \times 0.3 = 45$, award all 3 marks. 		



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Q14	Ans: AED 3,500	
	<ul style="list-style-type: none"> $I = prt$ Simple interest 	<ol style="list-style-type: none"> $25,000 \times 0.035 \times 4$ AED 3,500

Q15	Ans:	
	<ul style="list-style-type: none"> Interest Rate Compound Interest Answer 	<ol style="list-style-type: none"> $4.8\% = 1.048$ or 0.048 $32,000 \times 1.048 \times 1.048 \times 1.048$ AED 26,832.72 <ul style="list-style-type: none"> If pupils use $32,000 \times 1.048^3$, Award 2 marks and then 1 mark for answer if correctly rounded For Final answer accept AED 26,833