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Answer Booklet (Including Solution Guide, Common Mistakes Explanation, MCQ Explanation)

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- b. Dad starts his 8-day Christmas holiday on 19th December. The last day of his holiday is on \_\_\_\_\_ (\_\_\_\_\_). (Write the day of the week in the bracket.)
- c. The 5-day Christmas market ends on December 27th. The Christmas market started on \_\_\_\_\_ (\_\_\_\_) (Write the day of the week in the bracket.)



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Assessment 2

Time allowed: **30**min



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Answer the questions below.



c. Each sphere costs \$5. Nicole paid \$\_\_\_\_\_ to buy the spheres above.

# **Revision Notes**

## Unit 1: 3-digit numbers (Exercises 1-2)

## 1. 3-digit numbers



- '4' is in the hundreds place. It stands for 400.
- '2' is in the tens place. It stands for 20.
- '7' is in the units place. It stands for 7. 427 is written in words as

four hundred and twenty-seven.

## 2. Counting in groups of 20, 25, 50 and 100

- Count in groups of **20**:
- Count in groups of 25:
- Count in groups of **50**:
- Count in groups of **100**:

20	40	60	80	100	120	
25	50	75	100	125	150	••••
50	100	150	200	250	300	••••
100	200	300	400	500	600	

### Unit 2: Addition and subtraction (Exercises 3-6)



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### 22 Pyramids, cones and spheres

- 1. Cone
- 2. Sphere
- 3. Pentagonal pyramid
- **4. a.** quadrilateral pyramid
  - **b.** 4, triangles, 1, quadrilateral
  - **c.** 5
- 5. sphere

#### **6.** B

[ All the faces of a triangular pyramid are triangles. ] **MCQ Explanation** 

Wrong choice	Reason
А	Ignore the base of a quadrilateral pyramid is a quadrilateral.
С	Ignore all the faces of a quadrilateral prism are quadrilaterals.
D	Ignore the three lateral faces of a triangular prism are quadrilaterals.

#### **7.** A

- [ The 4 faces of a triangular pyramid are triangles.
- The base of a quadrilateral pyramid is a quadrilateral. The 4 lateral faces are triangles.

A triangular prism has 2 triangular bases and 3 lateral faces which are quadrilaterals. ]

#### MCQ Explanation

Wrong choice	Reason
В	Ignore that a quadrilateral pyramid has 4 triangular lateral faces. And count the number of 'triangular faces' of a triangular prism wrongly.
С	Ignore that a triangular pyramid has 4 triangular faces. And count the number of 'triangular faces' of a triangular prism wrongly.
D	Count the number of 'triangular faces' of a triangular prism wrongly.

#### 8. a. A, C

#### Common Mistake 1: E ×

 Mistakenly think the triangular prism E has a 'pointed' top and it is a 'pyramid'.

#### Common Mistake 2: D ×

- Mistakenly think the 3-D shape D with the top smaller than the base is a 'pyramid'.
- **b.** B, G
- **c.** H
- 9. hexagonal pyramid

#### **10.** B

# 23 Time-recording and timing devices (Enrichment)

- **1. a.** B, G
  - **b.** A, C, D, E, F, H
  - **a.** D

2.

- **b.** A
- **c.** E
- **d.** H
- **e.** F
- **f.** C

3.	Fire	Water	Sand	The Sun
	C , G	B , D	Е	A, F

- **4.** A, F
- 5. D
- 6. C
- **7.** Ĉ, G

### Assessment 2

- **1. a.** 0
  - **b.** 18
  - **C.** 8
- **2.** C [ 3 times of 7 stands for 7 + 7 + 7 ]

#### **3.** C

[Karen's savings: 10 × 9

Mike's savings: 9 × 10

Thus, they have the same amount of savings. ]

#### MCQ Explanation

choice	Reason
А	Mistakenly think Karen saved more money
11	each day and has more savings.
P	Mistakenly think Mike saved the money
D	for more days and has more savings.
	Do not understand the relationship between
D	the number of days for saving money and
	the amount of money saved each day.

#### **4.** 18 [6×3]

**5.** 32 [8 × 4]

#### Common Mistake: 64 ×

• Ignore 'Buy 1 get 1 free'. Mistakenly think it is necessary to pay for 8 croissants.

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#### **6. a.** 20 [4×5]

9

**b.** 10 [5×2]

**7.** 
$$7 \times 2$$
 = 14

There are 14 days in 2 weeks.

It takes them all 27 minutes to perform.

Common Mistake: 54 ×

• Unable to identify '2' is redundant data and mistakenly multiply all the data together.

#### **9.** B

#### MCQ Explanation

Wrong choice	Reason
А	Ignore the programme time has passed 12 noon and we should change 'a.m.' to 'p.m.'.
С	Confuse the starting time and the finishing time of the programme.
D	Confuse the starting time and the finishing time of the programme. Also confuse 'a.m.' and 'p.m.'.

#### **10.** D

#### MCQ Explanation

Wrong choice	Reason
Δ	Misunderstand '5 minutes' as the hour
11	hand pointing to 5.
	Confuse the hour hand and the minute
р	hand. Mistakenly think the hand pointing
В	to 5 is the minute hand and the hand
	pointing to 7 is the hour hand.
	Mistakenly think the nearest time's
С	minute hand should point to a 'large unit'
	like '12', '1', '2', etc.

#### **11. a.** 18, 6, morning

**b.** 11, 7, afternoon (or evening)

#### **12.** 1, 1

- **13. a.** 42
  - **b.** 8, 7
  - c. more

[ George ran 42 minutes. David ran 50 minutes.

David spent more time running than George. ]

- **14. a.** 30
  - **b.** 26th, April

#### **15.** Octagonal prism

Сс	ommon Mistake: Decagonal prism ×
•	Ignore 'faces' including 'lateral faces' and two
	'bases' in a prism.

#### **16.** heptagonal pyramid

#### Common Mistake: octagonal pyramid ×

• Ignore 'faces' including 'lateral faces' and one 'base' in a pyramid.

#### **17.** D

#### MCQ Explanation

Wrong choice	Reason
А	Ignore that a cone has 2 faces: 1 base and 1 curved surface.
В	Ignore that a cylinder has 3 faces: 2 bases and 1 curved surface.
С	Ignore a circle is not a 3-D shape.

#### **18.** C

#### MCQ Explanation

	Wrong choice	Reason
	A	Mistakenly think pentagonal prism is quadrilateral prism.
	В	Mistakenly think pentagonal prism is quadrilateral prism and confuse with triangular prism and triangular pyramid.
	D	Confuse with triangular prism and triangular pyramid.

#### **19. a.** Cone, Cylinder, Triangular prism

#### **b.** <u>1</u>, more

Common Mistake: 2, more ×
Mistakenly think a cylinder is also a 'prism' and mistakenly count the number of prisms as 4. Mistakenly think a cone is also a 'pyramid' and mistakenly count the number of pyramids as 2.

### **Final Assessment**

#### **1.** B

[ The '8' of 289 is in the tens place. ]

#### MCQ Explanation

Wrong choice	Reason
А	'8' is in the 'units' place. Mistakenly think the 'units' place is the 'tens' place.
С	'8' is in the 'hundreds' place. Mistakenly think 'hundreds' place is the 'tens' place.
D	'8' is in both of the 'hundreds' place and the 'units' place. Mistakenly think the question asks which number's '8' is not in the 'tens' place.

#### **2.** Eight hundred and nine

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