

# **CARLINGFORD HIGH SCHOOL**

## DEPARTMENT OF MATHEMATICS

# Year 7 Mathematics Exam

## **Term 2 Week 5A 2018**

Name :	
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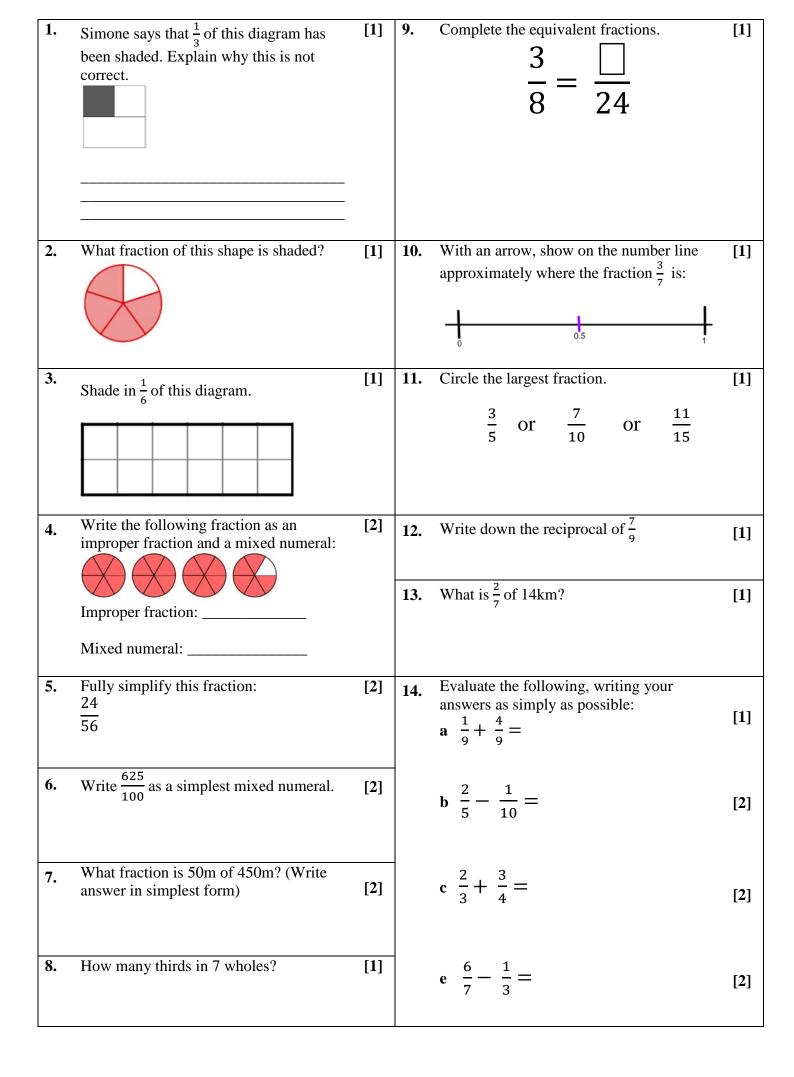
Circle your Class: 7C 7A 7R 7L 7I 7N 7G

Time allowed: 50 Minutes

### **Instructions**

- No calculators allowed.
- Show all necessary working by using blue/ black pen. Pencil may be used for graphs / diagrams.
- Marks may be deducted for untidy setting out.
- Questions marked with an asterisk (\*) are extension level.

Topic	<b>Fractions</b>	Time	Total
Standard	/36	/ 30	/ 66
Extension*	/6	/ 4	/ 10
Total	/ 42	/ 34	/ 76



15.	Evaluate the following, writing answers in simplest form:		*17	the top right corner midpoint of each of	f the opposite sides.	[2]
	$\mathbf{a}  \frac{1}{5} \times \frac{2}{7}$	[1]		another line.	two midpoints with e square is the triangle	
	$\mathbf{b}  \frac{3}{7} \div \frac{5}{8}$	[2]		in the initiale?		
	$c \frac{5}{12} \times \frac{6}{15}$	[2]				
	$\mathbf{d} \; \frac{4}{9} \div \frac{40}{27}$	[2]				
*16	Evaluate the following:		18.	Motab the followin	a wanda ta thain	
*16.	-		10.	Match the following definitions with a li		
	a $2\frac{1}{5} + 5\frac{7}{8}$	[2]				
				Denominator	•A fraction whose numerator is larger than the denominator.	[1]
				Reciprocal	•A number made up of a whole number and a fraction.	[1]
	b $1\frac{2}{3} \div 4\frac{2}{5}$	[2]		Mixed numeral	◆The number below the line in a fraction.	[1]
				Numerator	◆The number above the line in a fraction.	[1]
				Improper fraction	◆When a fraction is 'flipped'.	[1]

1.	<b>a.</b> 3 hours = minutes	[1]	5.	What time is it 2 hours and 18 minutes after 7:45 am?	[1]
	<b>b.</b> 175 minutes = hours andminutes	[1]	6.	If I leave for school at 0815 and return home at 1540, exactly how long have I been away from home?	[2]
	<b>c.</b> 2 days = hours	[1]	7.	My train comes at 10:23. How many minutes do I have before my train comes?	
	<b>d.</b> 5 weeks = days	[1]		MONDAINE Million on the	[2]
	<b>e.</b> 20 minutes = seconds	[1]		The state of the s	
	<b>f.</b> 69 hours = days hours	[2]			
	<b>g.</b> 5 days = minutes	[2]			
2.	Wendy is asked the question: "How many weeks are there in one month?" She replies: "There are 4 weeks in one month." Do you agree with her? Why/ Why not?	[2]	8.	I need to catch a train at 4:20 pm. It takes me exactly 23 minutes to walk to the train station from my house. What is the latest time should I leave my house to make it there on time?	[1]
3.	Write the following in 24 hour time: <b>a.</b> 6:35 am =	[1]	9.	How many years old is a person now if they were born on the 12 <sup>th</sup> of December, 1995?	[1]
	<b>b.</b> 7:18 pm =	[1]	10.	In year 7, you have four NAPLAN tests lasting 45 mins, 40 mins, 65 mins and 60 mins. How long do you spend in total	[2]
4.	Write the following in am/ pm time:			sitting NAPLAN tests? (Write your answer in hours and minutes.)	
	<b>a.</b> 2305 =	[1]			
	<b>b.</b> 0556 =	[1]			
11.	Look at the <u>Bus Timetable</u> (on the back page of this test) and answer the following questions about it:		12.	Look at the <u>Australian Time Zones</u> diagram (on the back page of this test) and answer the following questions about	

<b>a.</b> What time does the first bus of the day leave Earl Shilton, Library?	[1]	<b>a.</b> When it is not daylight savings time, what time is it in Perth when it is 5am in Sydney?	[1]
<b>b.</b> When does the first bus after 0700 leave Nuneaton, Bus Station?	[1]		
c. i) There is a bus that leaves Barwell, Square at 0927. What time does it get to Leicester, St. Margaret's Bus Stn?	[1]	<b>b.</b> When it is daylight savings time, what time is it in Adelaide when it is 12:30pm in Hobart?	[1]
ii) How long does that bus take to get from Barwell, square to Leicester, St. Margaret's Bus Stn?	[1]	*c. I am on holidays in January in Perth and I need to make a call to my Grandma in Brisbane to wish her happy birthday. I know she goes to bed at 9:30pm and we usually talk for about 20 mins. What is the latest time, in Perth time, that I can call her?	[2]
*d. The hotel I am staying at is a 15 minute walk from Mostyn Street. I need to be at the hotel to meet a friend at 8:00pm. At what time is the last bus I can catch from Harrowbrook Road to make it in time to meet my friend?	[2]		

### END OF EXAM